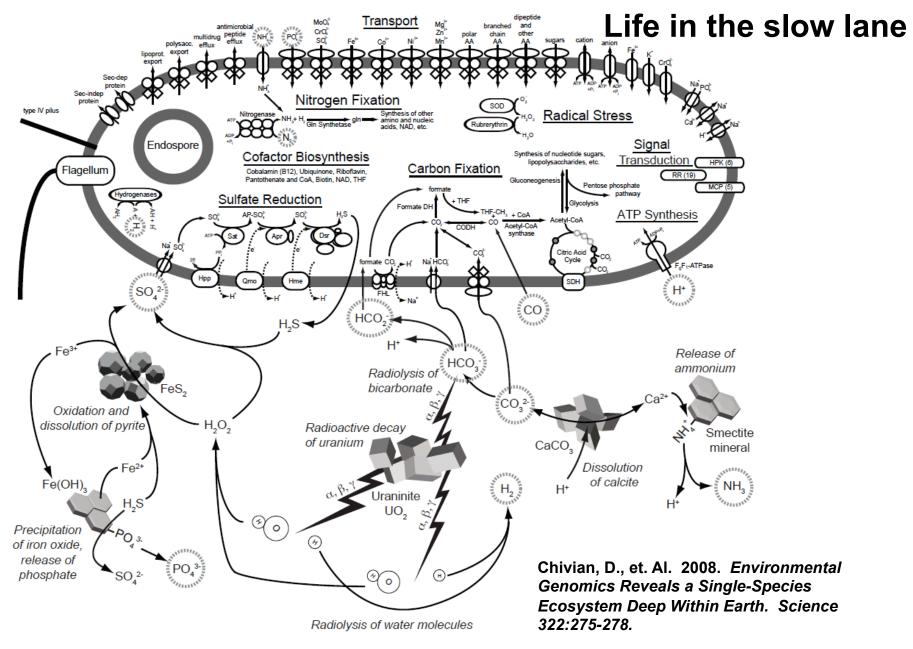
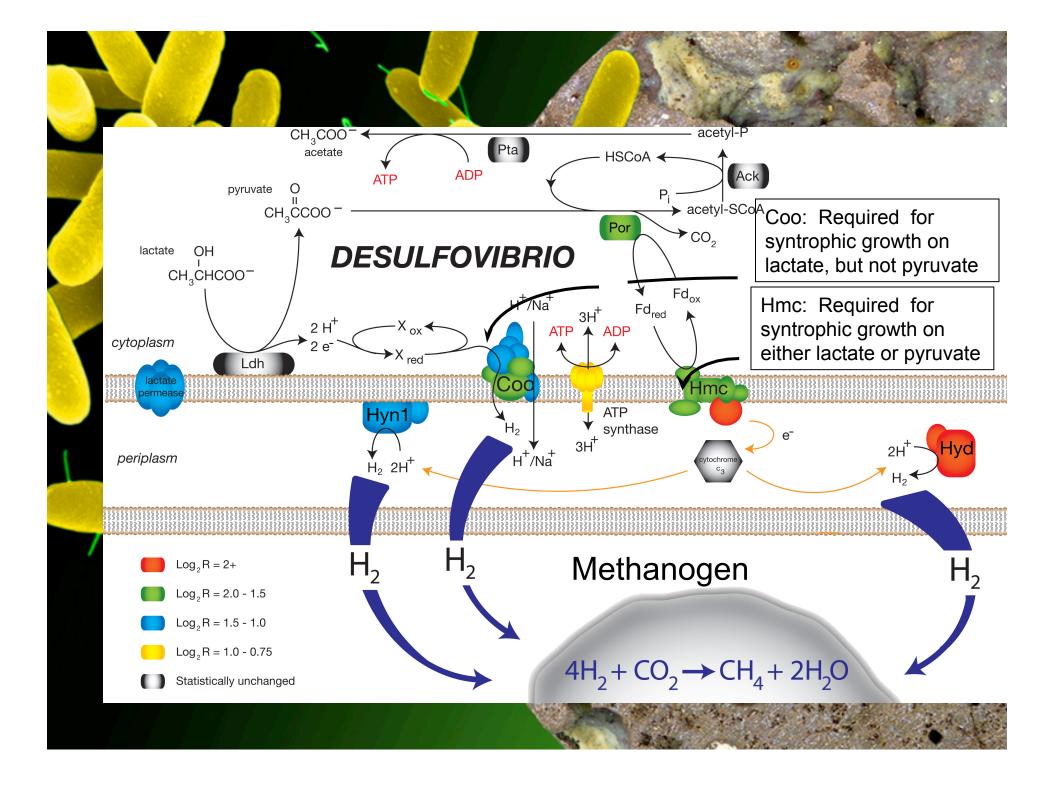
Microbial Enhanced Hydrocarbon and Hydrogen Recovery (MEHHR) and Carbon Capture and Sequestration

- Only 35% of oil in a typical well is recovered
- · While 75% of methane is recovered
- A trillion cubic ft of methane can be generated from 1 billion barrels of oil
- Even more hydrogen can be produced from oil



Model of Single Organism Ecosystem





EOR Production Rates in the US (Data from Oil & Gas Journal, 2006) 1000 Thermal Total EOR Production (MBD) Chemical Gas (Total) 800 CO2 **Microbial** Total 600 400 200 2005 1980 1985 1990 2000 1995

Future Research Directions

Transition this activity to the field?



